

## Electronic Acknowledgement Receipt

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| <b>EFS ID:</b>                              | 7686457   |
| <b>Application Number:</b>                  | 10087441  |
| <b>International Application Number:</b>    |   |
| <b>Confirmation Number:</b>                 | 6649  |
| <b>Title of Invention:</b>                  | Models and methods for determining systemic properties of regulated reaction networks |
| <b>First Named Inventor/Applicant Name:</b> | Bernhard O. Palsson   |
| <b>Customer Number:</b>                     | 28213   |
| <b>Filer:</b>                               | Antony M. Novom   |
| <b>Filer Authorized By:</b>                 |   |
| <b>Attorney Docket Number:</b>              | UCSD1330-2  |
| <b>Receipt Date:</b>                        | 26-MAY-2010   |
| <b>Filing Date:</b>                         | 01-MAR-2002   |
| <b>Time Stamp:</b>                          | 14:17:08  |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)   |

### Payment information:

|                        |    |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

### File Listing:

| Document Number | Document Description | File Name          | File Size(Bytes)/Message Digest                        | Multi Part/.zip | Pages (if appl.) |
|-----------------|----------------------|--------------------|--|-----------------|------------------|
| 1               | NPL Documents        | Wieczorke_1999.pdf | 507322<br>d4a6010f6ca68cb3841b7c33ed65515ee2<br>e453aa | no              | 6                |

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| 2                   | NPL Documents | Wills.pdf              | 813143<br>40753895a1fb6534499e49794d7f7fb3d2644<br>925   | no | 10 |
| <b>Warnings:</b>    |               |                        |  |    |    |
| <b>Information:</b> |               |                        |  |    |    |
| 3                   | NPL Documents | Wingender_2001_.pdf    | 340895<br>23b95a4523bdf8ca6ed42fc1a9809fc1f97<br>bb5ce   | no | 4  |
| <b>Warnings:</b>    |               |                        |  |    |    |
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| 4                   | NPL Documents | Winzeler.pdf           | 1475542<br>5ec5a42970eab1ecf8d4 - 2 He5108a1349<br>a54e  | no | 7  |
| <b>Warnings:</b>    |               |                        |  |    |    |
| <b>Information:</b> |               |                        |  |    |    |
| 5                   | NPL Documents | Xie_1996_material.pdf  | 1064657<br>b02eb540bfc1a18178a45b386611cf2c45e<br>1148   | no | 12 |
| <b>Warnings:</b>    |               |                        |  |    |    |
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| 6                   | NPL Documents | Xie1995_Energy.pdf     | 1635066<br>e08b3f643e0735b49035816fa1a25573501b<br>08ecc | no | 11 |
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| 7                   | NPL Documents | Xie_1997.pdf           | 774685<br>6579456d1080368-efcc6901e174652847<br>3d612    | no | 6  |
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| 8                   | NPL Documents | Yamada_2001.pdf        | 228949<br>be1e70e219781974c511a9bfb76706982d<br>737de    | no | 6  |
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| <b>Information:</b> |               |                        |  |    |    |
| 9                   | NPL Documents | Yeung_2002_reverse.pdf | 255583<br>0acc508d0066a2db104refed0f9a0ff0a7bb52<br>27f  | no | 6  |
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| 10                  | NPL Documents | Yoshida_2001_.pdf      | 1088282<br>b126db6170331d001779bf2f24a3e32321<br>ee5de   | no | 10 |
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| 11                  | NPL Documents | Zanella_2000.pdf                             | 491538<br>35B94a66ec029a0f9003b3d8Bf51a6c28c<br>2a073    | no | 25 |
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| 12                  | NPL Documents | Zeng.pdf                                     | 665643<br>c6609106ad170f63a59f6fb961e6c3194978<br>2a6c3  | no | 8  |
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| 13                  | NPL Documents | Zhu.pdf                                      | 3227863<br>9ecf4d6f0a1cfc133-1-113/0/94-61d2548b5<br>8ef | no | 5  |
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| 14                  | NPL Documents | Zigova.pdf                                   | 155383<br>67d8f61acfcfd144b489c5382752e24228<br>228ed    | no | 8  |
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| 15                  | NPL Documents | Zweytick_2000.pdf                            | 198377<br>a7c2970597c2e8b58036cc34fbdfefeb5d2<br>cc2b    | no | 5  |
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| 16                  | NPL Documents | Schuster_2000_general_definition_of_.pdf     | 348123<br>62e8944617909a76ab55b5e99a524745a1<br>0365a    | no | 7  |
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| 17                  | NPL Documents | Schuster_1999_Detection_of_Elementary.pdf    | 806247<br>b796377de2ee5e5c9654bec9d429fe6c7b<br>902f9    | no | 8  |
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| 18                  | NPL Documents | Selkov_1998_MPW_Metabolic_Pathways.pdf       | 318489<br>129b2f1c90f82f0d0d0f180e0c1a0f57<br>132d       | no | 3  |
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| 19                  | NPL Documents | Selkov_1996_metabolic_pathway_collection.pdf | 302132<br>4eb50f86d271a03c6642c19d1b40c17b5<br>46d14f    | no | 3  |
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| 20   | NPL Documents | Selkov_2000_Functional_analysis.pdf    | 1036318<br>53262x4fb69f198d6490e4930a6e1446c05<br>63x1 | no | 6  |
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| 21   | NPL Documents | Overbeek_2000_Integrated_System.pdf    | 284273<br>3f8a15ed8f6054ebef24f3b46d6c7fa8f<br>c66     | no | 3  |
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| 22   | NPL Documents | Pearson_1997_Comparison_of_DNA.pdf     | 1342933<br>3e652eb1c09a381ff4c1234fa1f557fb02<br>866   | no | 13 |
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| 23   | NPL Documents | Salgado_2001_RegulonDB.pdf             | 245160<br>61de5a00eca16d5c15ef4a0804be8f91e24<br>4bce9 | no | 3  |
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| 24   | NPL Documents | Wong_1997.pdf                          | 1207541<br>ba86e1eb209e0f0ff032a74f141c6ff0733<br>4aa  | no | 12 |
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| 25   | NPL Documents | URL_wit_msc_anl_gov.pdf                | 47421<br>30598886624161b65c97c3526eef3e1c<br>78602     | no | 1  |
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| 27   | NPL Documents | URL_affymetrix_com_products_2009.pdf   | 54918<br>a2d4a62fbfb3d43a2bd7dd9c0a992a1<br>d43ad      | no | 1  |
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| 28           | NPL Documents | URL_asap_ahabs_wisc_edu_2009.pdf | 39521                                  | no | 1 |
|              |               |                                  | 3ae11ef5be4fd7c755da3400ef1d618c3457ee |    |   |

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If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.